

Claims

1. In a combination of a large round baler having a main frame supported on wheels for travel over the ground and carrying a bale-forming arrangement defining a circumferential portion of a baling chamber and being selectively operable for discharging a bale, formed within said chamber, to the rear, and a wrapping implement carried by the frame, the improvement comprising: said wrapping implement being operable to wrap a discharged bale prior to it being deposited on the ground and including a substantially vertically oriented circular guide ring mounted to a rear location of said main frame in a location permitting a discharged bale to pass through said guide ring; a bale carrier being mounted to a lower rear location of said guide ring in a location for receiving said discharged bale; and a wrapping material carrier extending rearwardly from and being mounted for movement along said guide ring for dispensing material for wrapping a discharged bale supported by said bale carrier.

2. The combination, as defined in claim 1, wherein said wrapping implement is mounted for being selectively detached as a unit from said main frame of said round baler.

3. The combination, as defined in claim 1, wherein said bale carrier includes a support roll having a rotational axis which is horizontal and extends perpendicular to a direction occupied by a central axis of said guide ring, when said bale carrier is in a wrapping position.

4. The combination, as defined in claim 1, wherein said bale carrier is mounted to said guide ring for pivoting vertically about a horizontal axis extending perpendicular to a direction occupied by a central axis of said guide ring.

5. The combination, as defined in claim 2, wherein said bale carrier is mounted to a rear side of said guide ring for pivoting vertically about a horizontal axis extending perpendicular to a direction occupied by a central axis of said guide ring; and a parking stand being mounted to a forward side of said guide ring and cooperating with said bale carrier to support said wrapping implement in a detached, park position wherein said guide ring remains in a substantially vertical disposition.

6. The combination, as defined in claim 3, wherein said bale carrier is

mounted for pivoting about an axis extending parallel to a central axis of said guide ring; and a buttress forming a chord spanning an interior location of said guide ring and being on an opposite side of said bale carrier for cooperating with said support roll for retaining a bale on said bale carrier when said bale carrier is in said wrapping position.

7. The combination, as defined in claim 1, wherein said wrapping material carrier is secured to a rotatable ring mounted within said guide ring; and a rotatable ring drive motor mounted to said guide ring and coupled for driving said rotatable ring.

8. The combination, as defined in claim 1, wherein said bale carrier is defined by an open framework which permits said wrapping material carrier to move along an entire circumference of said guide ring without interfering with said bale carrier.

9. The combination, as defined in claim 1, wherein said wrapping implement includes upper and lower connecting elements fixed to said guide ring and affording respective attachment points for quick-coupling said wrapping implement to said main frame of said round baler.

10. The combination, as defined in claim 1, wherein said bale carrier is mounted to said guide ring for adjustment along a circumferential surface of said guide ring.

11. The combination, as defined in claim 1, wherein said baler includes a conveyor located in a first position for receiving a bale discharged from said baling chamber; and said conveyor being mounted to said main frame of said baler for movement between said first position and a position close to said guide ring from which said bale may be deposited onto said bale carrier.

12. The combination, as defined in claim 1, wherein said baler includes a conveyor mounted to said main frame in a location for receiving a bale discharged from said baling chamber; and said conveyor having at least a portion which is mounted for pivoting vertically relative to a remaining portion of said conveyor in order to deposit a bale on the ground, in the absence of a wrapping implement being connected to said main frame of said baler.

13. The combination, as defined in claim 1, wherein said baler includes a conveyor mounted on said main frame in a location for receiving a bale discharged from said baling chamber; said conveyor including a bale-supporting section mounted for fore-and-aft movement between a forward bale-receiving position and a rearward bale transfer position; and latching structure mounted to said bale wrapping implement for automatically latching said conveyor in said bale transfer position.

14. The combination, as defined in claim 3, wherein said bale carrier is U-shaped with opposite legs extending forwardly from a transverse bight section to which said bale support roll is mounted; said opposite legs having respective forward ends pivotally mounted to said guide ring for permitting said bale carrier to be swung vertically between a raised first position, for supporting a bale to be wrapped, and a lowered second position for ejecting a wrapped bale; and an ejection aid being mounted to said guide ring at a location between said opposite legs so as to engage and lift a bale carried by said bale carrier when the bale carrier is moved from said first to said second position.

15. The combination, as defined in claim 1, wherein said bale carrier is mounted to said guide ring for pivoting vertically about one of a horizontal transverse axis, or a fore-and-aft extending axis; an actuating device coupled between said guide ring and said bale carrier for effecting vertical adjustment of said bale carrier; and said actuating device including structure resiliently supporting said bale carrier.

16. The combination, as defined in claim 11, wherein said conveyor includes a rear first conveyor roll which extends parallel to, and cooperates with, said bale support roll of said bale carrier to support a bale during transfer of the bale from the conveyor to the bale carrier.

17. The combination, as defined in claim 16, wherein said conveyor includes a front second conveyor roll which cooperates with said rear first conveyor roll to support a bale received from said baling chamber.